

Appendix A: SCO

In the trs.conf file, set the protocol field to 3270.

Table A-1 lists the default settings which may be used when defining users and sessions in Apertus's Express host connectivity package.

Table A-1
Default settings for Express

Group	sysadm
User	express
Terminal	Access Mode:Individual Printer Process:Shared
Session	Session Type:3270 Display

When defining Communication in EXPRESS, the settings for Node, Link, Station, and Logical Unit should be:

Node	The node name of your Application Processor
Link	SDLC
Station	Connection Type: Host Restart connection if it fails XID Format:Format 3
Logical Units	Type: 3270 Display Pool

If a setting is not specifically addressed in these tables, then its default setting is acceptable. For further information on configuring Apertus/EXPRESS, refer to Apertus's documentation.

The following information should be contained in the `/etc/rc2.d/S99express` file:

```
if [ $1 = start ]
then
rm -f /u/express/db/cdmst
fi
su root -c "/u/express/bin/express_admin $1"
su root -c "/u/ivm/sys_files/vtekhos_admin $1"
```

Communication scripts

This section outlines and describes the different scripts available to control and manage communications start-up.

The `/u/ivm/sys_files/vtekhos_admin` script automates the starting of the Apertus background processes and automates the enabling of the links and stations of a configuration during a reboot.

The script needs to be customized on site. An example of the script follows:

```
# Customizable option : location of shell
#
#! /bin/sh
```

```
#####
#
#
#
# Customizable option : location of express profile
#
. /u/express/.profile
#
# error message definitions
#
MESSAGE1="\nInvalid request usage: manager (start | stop)"
MESSAGE2="\nTimeout occurred. Necessary daemons not active after 5 minutes"
MESSAGE3="\nAll daemons now running, executing express start"
#
# check to see an action parameter (start or stop) was passed in
#
if [ "$#" -lt 1 ]
then
    echo $MESSAGE1
    exit 1
fi
#
# start the express background processes
#

express_adm start

#
# loop to verify all necessary daemons are running then start express
# in hidden mode
#
loopCount=0
retryCount=0
#
# hang out in a loop until all express daemons are running. This process
# will time out after 5 minutes
#
# Customizable option : Verify all processes below do execute on your system
#
while [ $loopCount -eq 0 ];do
    (ps -fe | grep cdm | grep -v grep) &&
```

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```
(ps -ef | grep agent | grep -v grep) &&
(ps -ef | grep executive | grep -v grep) &&
#(ps -ef | grep jobex | grep -v grep ) &&1
(ps -ef | grep watchdog | grep -v grep)

if [ $? -ne 1 ]
then
    echo $MESSAGE3
    break
else
    retryCount=`expr $retryCount + 1`
    if [ $retryCount -eq 12 ]
    then
        echo $MESSAGE2
        exit 2
    else
        sleep 5
    fi
fi
done
case "$1" in
'start' )
#
# Customizable option : Name of token ring link. Comment out if this is
# a serial connection
#
# stst << !
# start datalink trLink
#!
#
# Customizable option : Name of token ring station.
#
stst << !
    start connection SDLCstation2
!
#
# Customizable option : Name of express users
```

1. Not all processes execute on all platforms. For instance, jobex does not execute on the standard SCO installation. Therefore, remove comment notation (#) from this line.

2. Name of the station which needs to be started. This can be found by running the Express user interface.

```
#
    express -u express -h1
                                ;;
'stop' )
    echo "STOP Session Managers"

#
# Customizable option : Name of express users
#
    express -x -u express
#
# Customizable option : Name of token ring link.  Comment out if this is
# a serial connection
#
stst << !
    stop connection SDLStation
!
#
# Customizable option : Name of token ring station.
#
stst << !
    stop datalink trLink
!
                                ;;
esac
```

1. List of the Express user that you want to have started.